



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/083,817

DATE: 08/29/2002
TIME: 12:21:47

Input Set : A:\SCIOS002C1.TXT
Output Set: N:\CRF3\08292002\J083817.raw

ENTERED

4 <110> APPLICANT: Schreiner, George F.
5 Johnson, Richard J.
7 <120> TITLE OF INVENTION: METHODS OF TREATING HYPERTENSION AND
8 COMPOSITIONS FOR USE THEREIN
11 <130> FILE REFERENCE: SCIOS.002C1
13 <140> CURRENT APPLICATION NUMBER: 10/083,817
14 <141> CURRENT FILING DATE: 2002-02-26
16 <150> PRIOR APPLICATION NUMBER: 60/099,694
17 <151> PRIOR FILING DATE: 1998-09-09
19 <150> PRIOR APPLICATION NUMBER: 09/392,932
20 <151> PRIOR FILING DATE: 1999-09-09
22 <160> NUMBER OF SEQ ID NOS: 11
24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 147
28 <212> TYPE: PRT
29 <213> ORGANISM: Homo Sapien
31 <400> SEQUENCE: 1
32 Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu Leu
33 1 5 10 15
34 Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala Glu Gly
35 20 25 30
36 Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln
37 35 40 45
38 Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu
39 50 55 60
40 Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu
41 65 70 75 80
42 Met Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly Leu Glu Cys Val Pro
43 85 90 95
44 Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His
45 100 105 110
46 Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys
47 115 120 125
48 Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Lys Cys Asp Lys
49 130 135 140
50 Pro Arg Arg
51 145
54 <210> SEQ ID NO: 2
55 <211> LENGTH: 145
56 <212> TYPE: PRT
57 <213> ORGANISM: Homo Sapien
59 <400> SEQUENCE: 2

RAW SEQUENCE LISTING

DATE: 08/29/2002

PATENT APPLICATION: US/10/083,817

TIME: 12:21:47

Input Set : A:\SCIOS002C1.TXT

Output Set: N:\CRF3\08292002\J083817.raw

```

60 Ala Pro Met Ala Glu Gly Gly Gly Gln Asn His His Glu Val Val Lys
61 1 5 10 15
62 Phe Met Asp Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu
63 20 25 30
64 Val Asp Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys
65 35 40 45
66 Pro Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
67 50 55 60
68 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile
69 65 70 75 80
70 Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser Phe
71 85 90 95
72 Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg
73 100 105 110
74 Gln Glu Lys Lys Ser Val Arg Gly Lys Gly Lys Gly Gln Lys Arg Lys
75 115 120 125
76 Arg Lys Lys Ser Arg Tyr Lys Ser Trp Ser Val Cys Asp Lys Pro Arg
77 130 135 140
78 Arg
79 145
82 <210> SEQ ID NO: 3
83 <211> LENGTH: 191
84 <212> TYPE: PRT
85 <213> ORGANISM: Homo Sapien
87 <400> SEQUENCE: 3
88 Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu Leu
89 1 5 10 15
90 Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala Glu Gly
91 20 25 30
92 Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln
93 35 40 45
94 Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu
95 50 55 60
96 Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu
97 65 70 75 80
98 Met Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly Leu Glu Cys Val Pro
99 85 90 95
100 Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His
101 100 105 110
102 Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys
103 115 120 125
104 Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly
105 130 135 140
106 Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr
107 145 150 155 160
108 Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln
109 165 170 175
110 Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg
111 180 185 190

```

RAW SEQUENCE LISTING DATE: 08/29/2002
 PATENT APPLICATION: US/10/083,817 TIME: 12:21:47

Input Set : A:\SCIOS002C1.TXT
 Output Set: N:\CRF3\08292002\J083817.raw

```

114 <210> SEQ ID NO: 4
115 <211> LENGTH: 108
116 <212> TYPE: PRT
117 <213> ORGANISM: Homo Sapien
119 <400> SEQUENCE: 4
120 Met Phe Leu Trp His Ser Ala Leu Tyr His Ala Trp Gln Ala Met Glu
121 1 5 10 15
122 Gly Gln His Glu Val Phe Asp Tyr Arg Tyr His Ile Thr Val Ile Gln
123 20 25 30
124 Tyr Asp Ile Tyr Phe Pro Cys Pro Met Cys Gly Cys Asp Gly Glu Val
125 35 40 45
126 Thr Glu Asn Thr Gln Met Ile Pro Gln Gln Ile Glu Ser Leu His Lys
127 50 55 60
128 Glu Arg Lys Asp Ala Gln Lys Ser Arg Lys Lys Gln Arg Arg Lys Arg
129 65 70 75 80
130 Lys Trp Val Cys Pro Ser Arg Lys Leu Val Asp Gln Cys Cys Cys Asn
131 85 90 95
132 Asp Arg Lys Arg Leu Leu Glu Thr Arg Asp Pro Arg
133 100 105
136 <210> SEQ ID NO: 5
137 <211> LENGTH: 116
138 <212> TYPE: PRT
139 <213> ORGANISM: Homo Sapien
141 <400> SEQUENCE: 5
142 Met Phe Leu Trp His Ser Ala Leu Tyr His Ala Trp Gln Ala Met Glu
143 1 5 10 15
144 Gly Gln His Glu Val Phe Asp Tyr Arg Tyr His Ile Thr Val Ile Gln
145 20 25 30
146 Tyr Asp Ile Tyr Phe Pro Cys Pro Met Cys Gly Cys Asp Gly Glu Val
147 35 40 45
148 Thr Glu Asn Thr Gln Met Ile Pro Gln Gln Ile Glu Ser Leu His Lys
149 50 55 60
150 Glu Arg Lys Asp Ala Gln Lys Ser Arg Lys Lys Gln Arg Arg Lys Arg
151 65 70 75 80
152 Lys Trp Val Val Ala Cys Leu Pro Ser Pro Pro Pro Gly Cys Glu Arg
153 85 90 95
154 His Phe Gln Pro Thr Lys Ser Lys Thr Ser Cys Ala Gln Glu Asn Arg
155 100 105 110
156 Cys Cys Lys Arg
157 115
160 <210> SEQ ID NO: 6
161 <211> LENGTH: 444
162 <212> TYPE: DNA
163 <213> ORGANISM: Homo Sapien
165 <400> SEQUENCE: 6
166 atgaactttc tgctgtcttg ggtgcattgg agccttgcct tgctgtctta cctccacat 60
167 gccaagtggg cccaggctgc acccatggca gaaggaggag ggcagaatca tcacgaagtg 120
168 gtgaagtcca tgcatgtcta tcagcgcagc tactgccatc caatcgagac cctgggtggac 180
169 atcttccagg agtaccctga tgagatcgag tacatcttca agccatcctg tgtgccctg 240

```

RAW SEQUENCE LISTING

DATE: 08/29/2002

PATENT APPLICATION: US/10/083,817

TIME: 12:21:47

Input Set : A:\SCIOS002C1.TXT

Output Set: N:\CRF3\08292002\J083817.raw

```

170 atgcgatgcg ggggctgctg caatgacgag ggcctggagt gtgtgcccac tgaggagtcc 300
171 aacatcacca tgcagattat gcggatcaaa cctcaccaag gccagcacat aggagagatg 360
172 agcttcctac agcacaacaa atgtgaatgc agaccaaaga aagatagagc aagacaagaa 420
173 aaatgtgaca agccgaggcg gtga 444
175 <210> SEQ ID NO: 7
176 <211> LENGTH: 516
177 <212> TYPE: DNA
178 <213> ORGANISM: Homo Sapien
180 <400> SEQUENCE: 7
181 atgaactttc tgctgtcttg ggtggattgg agccttgccct tgctgtctcta cctccaccat 60
182 gccaaagtgg cccaggctgc acccatggca gaaggaggag ggcagaatca tcacgaagtg 120
183 gtgaagtcca tggatgtcta tcagcgcagc tactgccatc caatcgagac cctgggtggac 180
184 atcttccagg agtaccctga tgagatcgag tacatcttca agccatcctg tgtgcccctg 240
185 atgcgatgcg ggggctgctg caatgacgag ggcctggagt gtgtgcccac tgaggagtcc 300
186 aacatcacca tgcagattat gcggatcaaa cctcaccaag gccagcacat aggagagatg 360
187 agcttcctac agcacaacaa atgtgaatgc agaccaaaga aagatagagc aagacaagaa 420
188 aaaaaatcag ttcgaggaaa gggaaagggg caaaaacgaa agcgcaagaa atcccgggtat 480
189 aagtctctga gcgtatgtga caagccgagg cgggtga 516
191 <210> SEQ ID NO: 8
192 <211> LENGTH: 576
193 <212> TYPE: DNA
194 <213> ORGANISM: Homo Sapien
196 <400> SEQUENCE: 8
197 atgaactttc tgctgtcttg ggtgcattgg agcctcgccct tgctgtctcta cctccaccat 60
198 gccaaagtgg cccaggctgc acccatggca gaaggaggag ggcagaatca tcacgaagtg 120
199 gtgaagtcca tggatgtcta tcagcgcagc tactgccatc caatcgagac cctgggtggac 180
200 atcttccagg agtaccctga tgagatcgag tacatcttca agccatcctg tgtgcccctg 240
201 atgcgatgcg ggggctgctg caatgacgag ggcctggagt gtgtgcccac tgaggagtcc 300
202 aacatcacca tgcagattat gcggatcaaa cctcaccaag gccagcacat aggagagatg 360
203 agcttcctac agcacaacaa atgtgaatgc agaccaaaga aagatagagc aagacaagaa 420
204 aatccctgtg ggccttgctc agagcggaga aagcatttgt ttgtacaaga tccgcagacg 480
205 tgtaaatgtt cctgcaaaaa cacagactcg cgttgcaagg cgaggcagct tgagttaaag 540
206 gaacgtactt gcagatgtga caagccgagg cgggtga 576
208 <210> SEQ ID NO: 9
209 <211> LENGTH: 642
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo Sapien
213 <400> SEQUENCE: 9
214 atgaactttc tgctgtcttg ggtgcattgg agcctcgccct tgctgtctcta cctccaccat 60
215 gccaaagtgg cccaggctgc acccatggca gaaggaggag ggcagaatca tcacgaagtg 120
216 gtgaagtcca tggatgtcta tcagcgcagc tactgccatc caatcgagac cctgggtggac 180
217 atcttccagg agtaccctga tgagatcgag tacatcttca agccatcctg tgtgcccctg 240
218 atgcgatgcg ggggctgctg caatgacgag ggcctggagt gtgtgcccac tgaggagtcc 300
219 aacatcacca tgcagattat gcggatcaaa cctcaccaag gccagcacat aggagagatg 360
220 agcttcctac agcacaacaa atgtgaatgc agaccaaaga aagatagagc aagacaagaa 420
221 aaaaaatcag ttcgaggaaa gggaaagggg caaaaacgaa agcgcaagaa atcccgggtat 480
222 aagtctctga gcgtggggcc ttgctcagag cggagaaagc atttgtttgt acaagatccg 540
223 cagacgtgta aatgttctg caaaaacaca gactcgcgtt gcaaggcgag gcagcttgag 600
224 ttaaacgaac gtacttgacg atgtgacaag ccgaggcggg ga 642

```

RAW SEQUENCE LISTING DATE: 08/29/2002
 PATENT APPLICATION: US/10/083,817 TIME: 12:21:47

Input Set : A:\SCIOS002C1.TXT
 Output Set: N:\CRF3\08292002\J083817.raw

```

226 <210> SEQ ID NO: 10
227 <211> LENGTH: 699
228 <212> TYPE: DNA
229 <213> ORGANISM: Homo Sapien
231 <400> SEQUENCE: 10
232 atgaactttc tgctgtcttg ggtgcattgg agcctcgcct tgctgtctta cctccaccat 60
233 gccaaagtgg cccaggctgc acccatggca gaaggaggag ggcagaatca tcacgaagtg 120
234 gtgaagttca tggatgtcta tcagcgcagc tactgccatc caatcgagac cctgggtggac 180
235 atcttccagg agtaccctga tgagatcgag tacatcttca agccatcctg tgtgcccctg 240
236 atgcgatgcg ggggctgctg caatgacgag ggcctggagt qtgtgccac tgaggagtcc 300
237 aacatcacca tgcagattat gcggatcaaa cctcaccaag gccagcacat aggagagatg 360
238 agcttcctac agcacaacaa atgtgaatgc agaccaaaga aagatagagc aagacaagaa 420
239 aaaaaatcag ttcgaggaaa gggaaagggg caaaaacgaa agcgcaagaa atcccgggat 480
240 aagtcctgga gcgtgtacgt tggtgcccgc tgctgtctaa tgccctggag cctccctggc 540
241 ccccatccct gtgggccttg ctgagagcgg agaaagcatt tgtttgata agatccgcag 600
242 acgtgtaa atgttcctgcaa aaacacagac tcgcgttgca aggcgaggca gcttgagtta 660
243 aacgaacgta cttgcagatg tgacaagccg aggcgggtga 699
245 <210> SEQ ID NO: 11
246 <211> LENGTH: 110
247 <212> TYPE: PRT
248 <213> ORGANISM: Homo Sapien
250 <400> SEQUENCE: 11
251 Ala Pro Met Ala Glu Gly Gly Gly Gln Asn His His Glu Val Val Lys
252 1 5 10 15
253 Phe Met Asp Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu
254 20 25 30
255 Val Asp Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys
256 35 40 45
257 Pro Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
258 50 55 60
259 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile
260 65 70 75 80
261 Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser Phe
262 85 90 95
263 Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Arg
264 100 105 110

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/083,817

DATE: 08/29/2002

TIME: 12:21:48

Input Set : A:\SCIOS002C1.TXT

Output Set: N:\CRF3\08292002\J083817.raw